



Performance Data Sheet

VSC5560ENA

General Information

Model	VSC5560ENA	Refrigerant	R-22
Test Condition	ARI	Performance Test Voltage	230V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	Motor Type	PSC

Performance Information

Evap Temp (°F)	Condensing Temperature (°F)							
		80	90	100	110	120	130	140
-15	Btu/h	22900	21600					
	Watts	2850	3270					
	Amps	13.5	14.5					
	Lb/h	295	289					
-10	Btu/h	24600	23300	21600				
	Watts	2870	3280	3740				
	Amps	13.7	14.7	16.1				
	Lb/h	315	310	299				
-5	Btu/h	26900	25500	23800	21600			
	Watts	2890	3280	3730	4250			
	Amps	13.9	14.8	16.2	18.1			
	Lb/h	342	338	329	312			
0	Btu/h	29700	28200	26500	24400	21700		
	Watts	2900	3290	3720	4230	4830		
	Amps	14.0	14.9	16.2	18.1	20.4		
	Lb/h	376	372	364	349	325		
5	Btu/h	33100	31500	29700	27600	24900		
	Watts	2910	3300	3720	4200	4790		
	Amps	14.2	15.0	16.3	18.1	20.4		
	Lb/h	417	412	405	392	371		
10	Btu/h	37100	35300	33400	31200	28600	25300	21200
	Watts	2910	3300	3710	4190	4750	5430	6250
	Amps	14.2	15.0	16.3	18.1	20.3	23.2	26.6
	Lb/h	463	459	452	441	422	394	353
15	Btu/h	41500	39600	37500	35300	32600	29400	25400
	Watts	2910	3290	3710	4170	4720	5380	6170
	Amps	14.3	15.1	16.3	18.1	20.3	23.1	26.4
	Lb/h	516	510	504	494	477	452	416
20	Btu/h	46500	44300	42100	39700	37000	33800	29900
	Watts	2890	3280	3700	4160	4700	5340	6110
	Amps	14.3	15.1	16.3	18.0	20.3	23.0	26.3
	Lb/h	574	568	561	552	537	515	482

25	Btu/h	52000	49500	47000	44500	41700	38500	34600
	Watts	2870	3270	3690	4150	4680	5310	6060
	Amps	14.3	15.1	16.3	18.0	20.2	23.0	26.3
	Lb/h	638	630	623	614	601	581	552
30	Btu/h	57900	55100	52400	49700	46700	43400	39600
	Watts	2830	3250	3670	4140	4660	5280	6020
	Amps	14.3	15.1	16.3	18.0	20.2	22.9	26.2
	Lb/h	707	696	689	680	669	651	625
35	Btu/h	64200	61100	58100	55100	52000	48600	44800
	Watts	2790	3220	3650	4120	4650	5270	5990
	Amps	14.3	15.1	16.3	18.0	20.2	22.9	26.2
	Lb/h	780	768	759	750	739	724	701
40	Btu/h	71000	67400	64100	60900	57600	54100	50100
	Watts	2730	3180	3630	4110	4640	5250	5970
	Amps	14.3	15.1	16.3	18.0	20.2	22.9	26.2
	Lb/h	858	843	833	824	813	800	779
45	Btu/h	78200	74200	70500	67000	63500	59800	55700
	Watts	2650	3130	3600	4090	4630	5240	5960
	Amps	14.2	15.0	16.3	18.0	20.2	23.0	26.2
	Lb/h	939	922	910	900	890	878	860
50	Btu/h	85700	81300	77200	73300	69500	65600	61400
	Watts	2560	3060	3560	4060	4610	5230	5950
	Amps	14.2	15.0	16.3	18.0	20.3	23.0	26.3
	Lb/h	1030	1000	990	980	970	958	942
55	Btu/h	93600	88700	84100	79900	75800	71600	67200
	Watts	2460	2990	3510	4040	4600	5230	5950
	Amps	14.1	15.0	16.3	18.1	20.3	23.1	26.3
	Lb/h	1110	1090	1070	1060	1050	1040	1030

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	5.343204E+04	-1.777589E+03	2.212152E+01	5.865827E+02
C2	1.275280E+03	-2.839476E+01	4.953786E-02	1.473021E+01
C3	-6.375957E+02	1.082816E+02	-2.406088E-01	-7.780042E+00
C4	1.716697E+01	-6.831325E-01	-1.683499E-03	1.821188E-01
C5	-1.326864E+01	8.338009E-01	4.353430E-05	-1.714213E-01
C6	6.576962E+00	-9.786185E-01	1.460246E-03	9.970714E-02
C7	-2.693849E-02	-1.400523E-03	2.806892E-06	-4.019626E-04
C8	-7.431034E-02	7.121185E-03	1.367144E-05	-6.463592E-04
C9	6.451950E-02	-5.624879E-03	-4.365042E-06	1.007224E-03
C10	-2.891081E-02	4.458225E-03	3.560891E-06	-4.417895E-04

$$\text{Value} = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3$$

Te = Evaporator Temperature

Tc = Condensing Temperature